

## EW531

DLP® Projector

# Widescreen HD

-  Widescreen presentations and HD entertainment
-  Bright projection – 2600 ANSI Lumens
-  3000:1 contrast ratio for sharp, detailed presentations and graphics
-  Digital and Analogue connectivity includes: HDMI, VGA
-  Environmentally friendly design <1W standby mode
-  Portable – carry bag provided for easy transportation
-  Low ownership costs – up to 4000hrs lamp life
-  Optoma EW531 filter-free design – virtually no maintenance



## Widescreen projection

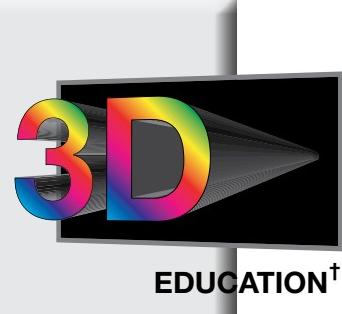
The bright 2600L, EW531 with 120Hz 3D capable technology is ideally partnered with a widescreen notebook and HD sources. Ceiling mounted or mobile this dual-purpose projector multi-tasks in both office, school and home environments.

Environmentally friendly design with energy saving features including <1W standby mode. Long lamp-life of 4000hrs saves you both time and money, combined with our unique Optoma colour and imager guarantee ensures hassle-free, long lasting projection.

### <sup>†</sup>3D TECHNOLOGY

Using the inherent speed of DLP technology, The Optoma EW531 can output video and images at an astonishing rate of 120Hz, allowing you to show full screen, full colour, stereoscopic 3D. The 3D effect is generated by splitting this signal into two standard video streams, one for each eye. Using DLP® Link™ technology, the 3D glasses synchronise with the image on screen to filter each stream to the correct eye. Your brain then combines the two streams to make them jump into life.

The 3D features of the EW531 can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling software. Currently the EW531 does not support 3D TV broadcast systems, SKY in the UK or 3D Blu-ray, though support for these applications may be added in future using additional hardware.



### TRUE WXGA RESOLUTION

The EW531 is the perfect companion for widescreen laptops. Your presentations will appear as sharp and detailed as they do on your widescreen laptop in WXGA (1280 x 800). WXGA resolution gives 30% more pixels than XGA.



XGA



WXGA

### CONTROL

The extensive RS232 command set makes it simple and easy to control the EW531 with any control system.



AMX Compatibility – Dynamic Discovery Protocol is incorporated into the EW531. This feature allows for easy installation with AMX control systems.

### TRUE HDMI

Project crystal clear images using the latest HDMI v1.3 input. Hassle-free projection from a widescreen computer/HD source with a single HDMI cable – no need for separate audio cables.

### CLEAR, FOCUSED IMAGES

DarkChip3™ technology from Texas Instruments produces a stunning 3000:1 contrast ratio for pin sharp graphics and crystal clear text. Crisper whites, ultra-rich blacks makes images come alive and text easier to read - ideal for business and education presentations.

easier to read

1000:1 contrast ratio

3000:1 contrast ratio

<sup>†</sup>Simulated Image

## AMAZING COLOURS

The EW531 incorporates BrilliantColor™ technology to produce stunningly bright images with perfectly balanced life-like colours.

Preset display modes allow you to achieve a perfect image on a variety of surfaces including screens and interactive whiteboards.

## COLOUR AND IMAGER GUARANTEE

Bright colours and fantastic image quality are guaranteed for an amazing 5 years after purchase - giving piece of mind that the technology inside the Optoma EW531 projector won't fade or degrade.



## VIRTUALLY MAINTENANCE FREE = LOWER TOTAL COST OF OWNERSHIP (TCO)

EW531 provides lower cost of ownership, longer life and improved reliability. The filter-free projector design does not require regular filter cleaning or filter replacement, saving you time and money.



**Enjoy big  
bright images**

## ENVIRONMENTALLY FRIENDLY

The EW531 incorporates energy saving features to conserve power and extend the lamp life:



To achieve the maximum 4000hrs\*\* lamp life time the projector should be operating in STD mode and the shut down timer should be enabled to automatically switch off the projector if it is accidentally left on when no longer required. Enabling the <1W Standby mode will ensure the minimum energy consumption when the projector is not being used.



It takes less than 10 seconds for the projector to power up and shutdown, saving both time and energy.

## FEATURES

- 6 preset display modes
- Classroom mode - 1500 ANSI Lumens
- Quick keystone correction
- Security bar and password protection for added security
- Easy to use remote with direct source control



**EW531 SPECIFICATIONS**

Native Resolution	WXGA 1280 x 800
Compressed Resolution	up to UXGA (1600 x 1200)
Brightness	2600/2100 Lumens (BRIGHT/STD mode)
Contrast	3000:1
Noise Level	28dB
Lamp Life**	4000/3000 (STD/BRIGHT mode)
Projection Lens	F/2.5 ~ 2.67, f=21.86 ~ 24.0mm, 1.1x Manual Zoom
Throw Ratio	1.55 - 1.7:1 (Projection Distance:Image Width)
Projection Distance	1.2 - 12m
Image Size	0.83 - 9.13m (32.77" - 359.44") Diagonal 16:10
Display Technology	Single 0.65" WXGA DC3 DMD chip DLP® Technology by Texas Instruments
Weight / Dimensions (W x D x H)	2.3 kg / 286 x 192 x 84mm
Remote Control	Full function remote with direct source selecting
INPUTS	HDMI (HDCP) - audio supported (DVI-D via adaptor) 15 Pin D-Sub VGA (SCART & Component via adaptor) S-Video 4 Pin Mini Din Composite RCA 3.5mm Audio Mini Jack
CONTROL	RS232 3 Pin Mini DIN
OUTPUTS	15 Pin D-Sub VGA (monitor loop-through) 3.5mm Audio Mini Jack
Audio	1 x 2W Speaker
Aspect Ratio	16:10 Native, 4:3 & 16:9 Compatible
Keystone Correction	± 40° Vertical
On Screen Display	18 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Swedish, Greek, Norwegian, Danish, Hungarian, Czech, Turkish, Farsi & Arabic
Video Compatibility	PAL SECAM 576i/p, NTSC 480i/p, HD 720p/1080i/1080p
Uniformity	85%
Displayable Colours	16.7 Million
Horizontal Scan Rate	15.3 – 91.1kHz
Vertical Scan Rate	24 – 120Hz
Power Supply	100 - 240V, 50 - 60Hz
Power Consumption	233W BRIGHT mode < 1W Standby mode 207W STD mode < 1W Standby mode
Operating Conditions	Operating: 5 - 35°C, 85% Humidity (Max), 3000m Altitude (Max)
Security	One Kensington Lock Port, Password Protection
Standard Accessories	Lens Cover, AC Power Cord, VGA Cable, Carry Bag, Full Function Remote, Batteries x 2, Quick Start Guide, CD User Manual, Warranty, WEEE Card
RoHS	Compliant
Lamp Warranty	6 months or 1000 hours - whichever comes sooner
Warranty	Warranty may vary by country. Please see <a href="http://www.optomaeurope.com">www.optomaeurope.com</a> or ask your local supplier for details
Colour Guarantee*	5 Years
Imager Guarantee***	5 Years
3D Support	120Hz frame sequential 3D for resolutions up to 720p. 60Hz field sequential 3D for resolutions up to 480i
3D Viewing	Requires Optoma DLP® Link™ active shutter glasses – sold separately

**EW531 Projection Distance 1.2 - 12m (16:10 Aspect Ratio)**

Projection Distance (m)	Max. Horizontal Image Size (m)	Min. Horizontal Image Size (m)	Max. Vertical Image Size (m)	Min. Vertical Image Size (m)	Max Diagonal Image Size (m)	Max Diagonal Image Size (inch)	Max. Image Offset (m)
1.20	0.77	0.71	0.48	0.44	0.91	35.94	0.06
2.00	1.29	1.18	0.81	0.74	1.52	59.91	0.10
2.50	1.61	1.47	1.01	0.92	1.90	74.88	0.13
3.00	1.94	1.76	1.21	1.10	2.28	89.86	0.15
4.00	2.58	2.35	1.61	1.47	3.04	119.81	0.20
5.00	3.23	2.94	2.02	1.84	3.80	149.76	0.25
6.00	3.87	3.53	2.42	2.21	4.56	179.72	0.30
7.00	4.52	4.12	2.82	2.57	5.33	209.67	0.35
8.00	5.16	4.71	3.23	2.94	6.09	239.62	0.40
9.00	5.81	5.29	3.63	3.31	6.85	269.58	0.45
10.00	6.45	5.88	4.03	3.68	7.61	299.53	0.50
11.00	7.10	6.47	4.44	4.04	8.37	329.48	0.55
12.00	7.74	7.06	4.84	4.41	9.13	359.44	0.60

For guide purposes only

EW531 is capable of 4:3 and 16:9 aspect ratio projection. When projecting a 4:3/16:9 image the image sizes, screen height and offset information will differ from the above.

**Optoma Europe Ltd.**

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[www.optoma.co.uk](http://www.optoma.co.uk)**EASY TO USE REMOTE CONTROL****EW531 Remote Control**

- 1 Vertical Keystone Correction
- 2 Volume Control
- 3 Brightness Adjustment
- 4 AV Mute
- 5 Direct Input Source Selection

**EW531 Connections**

- 6 VGA In - SCART & Component
- 7 VGA Out
- 8 HDMI (audio supported)
- 9 S-Video
- 10 Composite Video
- 11 RS232 - 3 Pin
- 12 Audio In
- 13 Audio Out
- 14 Security Bar
- 15 Kensington™ Lock

**Exceptional Connectivity/ Multiple Terminals**

**Easy to use remote with buttons to change the input sources**



\*Optoma guarantees that in normal use, Optoma DLP® colour quality will be indistinguishable from when new. Exclusions: (1) Guarantee is voided if the projector is subject to damage through misuse. (2) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is excessive (3) Guarantee will not apply if lamp brightness is below 50% due to wear or if the projector is not working due to other faults. (4) Over time worn lamps within all projector types will show a slight colour variance. \*\*Typical lamp life achieved through testing. Will vary according to operational use and environment conditions. \*\*\* Optoma guarantees that in normal use, the DLP® imager will retain image quality for at least 5 years and provide consistent pixel performance. Exclusions: (1) Guarantee is voided if the projector is subject to damage through misuse. (2) Guarantee may be void in industrial or commercial environments where dust or smoke is excessive. Copyright © 2010, Optoma Europe Ltd. All other product names and company names used herein are for identification purposes only and may be trademarks or registered trademarks of their respective owners. Errors and omissions excepted, all specifications are subject to change without notice. DLP®, BrilliantColor™ and the DLP logo are registered trademarks of Texas Instruments.